

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH TO S. 1031  
Approved for Use through 11/30/2007. OMB 0851-0031  
 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10587371	
	Filing Date		2006-07-26	
	First Named Inventor	Ho Sung CHO		
	Art Unit	1647		
	Examiner Name	Shulamith H. SHAFER		
	Attorney Docket Number	AMBX-0028.00US		

U.S.PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1						

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS							Remove
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	20030162949		2003-08-28	COX		

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

Add

NON-PATENT LITERATURE DOCUMENTS				Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>	

ALL REFERENCES CONSIDERED, EXCEPT WHERE LINED THROUGH. /S.S./

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10587901
Filing Date		2006-07-26
First Named Inventor	Ho Sung CHO	
Art Unit		1647
Examiner Name	Shulamith H. SHAFER	
Attorney Docket Number		AMBX-0028.00US

1	RAIBAUD, O et M Schwartz. "Positive control of transcription initiation in bacteria," Annu Rev Genet. 1984;18:173-206	<input type="checkbox"/>
2	REVEREY, H. et al., "Differential Fatty Acid Selection during Biosynthetic S-Acylation of a Transmembrane Protein (HEF) and Other Proteins in Insect Cells (Sf9) and in Mammalian Cells (CV1)," J. BIOL. CHEM. 1996; 271 (39):23607-10	<input type="checkbox"/>
3	RIVIER, J et R McClintock, "Reversed-phase high-performance liquid chromatography of insulins from different species," J Chromatogr. 1983 Sep 23;268(1):112-9	<input type="checkbox"/>
4	ROBERTS, et al., "Generation of an antibody with enhanced affinity and specificity for its antigen by protein engineering," Nature 1987;328:731 - 734	<input type="checkbox"/>
5	ROBERTS, RW and JW Szostak, "RNA-peptide fusions for the in vitro selection of peptides and proteins," Proc Natl Acad Sci U S A. 1997 Nov 11;94(23):12297-302	<input type="checkbox"/>
6	ROGGENKAMP, R. et al., "Transformation of the methylotrophic yeast Hansenula polymorpha by autonomous replication and integration vectors," MOL. Genetics and Genomics 1986;202(2):302-8	<input type="checkbox"/>
7	ROMANI et al. "Synthesis of unsymmetrical cystine peptides: directed disulfide pairing with the sulfenohydrazide method," in Chemistry of Peptides and Proteins 1984; eds. Voelter, W. et al.; Walter de Gruyter et al., Berlin; vol. 2:29-33	<input type="checkbox"/>
8	ROMANOS, MA et al., "Foreign gene expression in yeast: a review," Yeast. 1992 Jun;8(6):423-88	<input type="checkbox"/>
9	ROSENTHAL, GA. "L-canaline: a potent antimetabolite and anti-cancer agent from leguminous plants," Life Sci. 1997;60(19):1635-41	<input type="checkbox"/>
10	ROSSOLINI, GM et al., "Use of deoxyinosine-containing primers vs degenerate primers for polymerase chain reaction based on ambiguous sequence information," Mol. Cell. Probes 1994; 8:91-98	<input type="checkbox"/>
11	ROSTOVTSSEV, VV et al., "A stepwise huisgen cycloaddition process: copper(I)-catalyzed regioselective "ligation" of azides and terminal alkynes," Angew Chem Int Ed Engl 2002 Jul15;41(14):2596-9	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		05873815
Filing Date		2006-07-26
First Named Inventor	Ho Sung CHO	
Art Unit	1647	
Examiner Name	Shulamith H. SHAFER	
Attorney Docket Number	AMBX-0028.00US	

12	ROWLES, J et al., "Cloning and characterization of PDK4 on 7q21.3 encoding a fourth pyruvate dehydrogenase kinase isoenzyme in human," J Biol Chem. 1996 Sep 13;271(37):22376-82	<input type="checkbox"/>
13	SAKMAR, TP and Khorana HG, "Total synthesis and expression of a gene for the alpha-subunit of bovine rod outer segment guanine nucleotide-binding protein (transducin)" Nucleic Acids Res. 1988 Jul 25;16(14A):6361-72	<input type="checkbox"/>
14	SANDLER and Karo, "Polyoxyalkylation of hydroxyl compounds," in Polymer Synthesis, Volume 3, 1980; Academic Press, New York, 138-161	<input type="checkbox"/>
15	SARTORE, L et al., "Enzyme modification by MPEG with an amino acid or peptide as spacer arms," Appl Biochem Biotechnol. 1991 Jan;27(1):45-54	<input type="checkbox"/>
16	SAWHNEY, AS et al., "Bioerodible Hydrogels Based on Photopolymerized Poly(ethylene glycol)-co-poly(alpha-hydroxy acid) Diacrylate Macromers," Macromolecules 1993; 26(4):581-7	<input type="checkbox"/>
17	SAXON, E and C. Bertozzi, "Cell Surface Engineering by a Modified Staudinger Reaction," Science (2000); 287 (5460):2007-2010	<input type="checkbox"/>
18	SAYERS, JR et al., "Strand specific cleavage of phosphorothioate-containing DNA by reaction with restriction endonucleases in the presence of ethidium bromide" Nucleic Acids Res. 1988 Feb 11;16(3):803-14	<input type="checkbox"/>
19	SAYERS, JR, et al. "5'-3' exonucleases in phosphorothioate-based oligonucleotide-directed mutagenesis," Nucleic Acids Res. 1988 Feb 11;16(3):791-802	<input type="checkbox"/>
20	SCHANBACHER, FL et al. "Galactosyltransferase Acceptor Specificity of the Lactose Synthetase A Protein," J. Biol. Chem. 1970; 245(19):5057-5061	<input type="checkbox"/>
21	SCHMIDT, M et al., "Baculovirus-mediated large-scale expression and purification of a polyhistidine-tagged rubella virus capsid protein," Protein Expr Purif. 1998 Apr;12(3):323-30	<input type="checkbox"/>
22	SCHNEIDER, E., et al., "Functional Purification of a Bacterial ATP-Binding Cassette Transporter Protein (MalK) from the Cytoplasmic Fraction of an Overproducing Strain," Protein Expr. Purif. 1995; 6(1):10-14	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH /S.S./

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10587371
Filing Date	2006-07-26
First Named Inventor	Ho Sung CHO
Art Unit	1647
Examiner Name	Shulamith H. SHAFER
Attorney Docket Number	AMBX-0028.00US

23	SCHNOLZER, M. and SBH Kent. "Constructing proteins by dovetailing unprotected synthetic peptides: backbone-engineered HIV protease," Science. 1992 Apr 10;256(5054):221-5	<input type="checkbox"/>
24	SCOUTEN, WH. "A survey of enzyme coupling techniques," Methods Enzymol. 1987;135:30-65	<input type="checkbox"/>
25	SHAO, J and JP Tam, "Unprotected Peptides as Building Blocks for the Synthesis of Peptide Dendrimers with Oxime, Hydrazone, and Thiazolidine Linkages," J. Am. Chem. Soc. 1995; 117(14):3893-3899	<input type="checkbox"/>
26	SHARMA, N et al., "Efficient introduction of aryl bromide functionality into proteins in vivo," FEBS Lett. 2000 Feb 4;467(1):37-40	<input type="checkbox"/>
27	SHIMATAKE, H et M Rosenberg, "Purified gamma regulatory protein cII positively activates promoters for lysogenic development," Nature 1981 Jul; 292:128 - 132	<input type="checkbox"/>
28	SHINE, J and L Dalgarno, "Determinant of cistron specificity in bacterial ribosomes," Nature. 1975 Mar 6;254(5495):34-8	<input type="checkbox"/>
29	SIDMAN, KR et al., "Controlled release of macromolecules and pharmaceuticals from synthetic polypeptides based on glutamic acid," Biopolymers. 1983 Jan;22(1):547-56	<input type="checkbox"/>
30	SIEBER, V. et al., "Libraries of hybrid proteins from distantly related sequences," Nature Biotechnology, 2001 May;19:456-460	<input type="checkbox"/>
31	SIFFERT, W et al., "Association of a human G-protein beta3 subunit variant with hypertension," Nat Genet. 1998 Jan;18(1):45-8	<input type="checkbox"/>
32	SIKORSKI, RS et al., "A System of Shuttle Vectors and Yeast Host Strains Designed for Efficient Manipulation of DNA in Saccharomyces cerevisiae," GENETICS (1989) 122:19-27	<input type="checkbox"/>
33	SISK, WP et al., "High-level expression and purification of secreted forms of herpes simplex virus type 1 glycoprotein gD synthesized by baculovirus-infected insect cells," J Virol. 1994 Feb;68(2):766-75	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10587371
Filing Date		2006-07-26
First Named Inventor	Ho Sung CHO	
Art Unit	1647	
Examiner Name	Shulamith H. SHAFER	
Attorney Docket Number	AMBX-0028.00US	

34	SJOLANDER, A et al., "The serum albumin-binding region of streptococcal protein G: a bacterial fusion partner with carrier-related properties," J Immunol Methods. 1997 Feb 14;201(1):115-23	<input type="checkbox"/>
35	SMITH, M. "In vitro mutagenesis" Ann. Rev. Genet. 1985; 19:423-462	<input type="checkbox"/>
36	SMITH, GE et al., "Production of human beta interferon in insect cells infected with a baculovirus expression vector," Mol Cell Biol. 1983 Dec;3(12):2156-65	<input type="checkbox"/>
37	STANLEY, SL et al., "The serine-rich Entamoeba histolytica protein is a phosphorylated membrane protein containing O-linked terminal N-acetylglucosamine residues," J Biol Chem. 1995 Feb 24;270(8):4121-6	<input type="checkbox"/>
38	STEITZ, JA et al. "Genetic signals and nucleotide sequences in messenger RNA," in Biological Regulation and Development: Gene Expression 1979; ed. R. F. Goldberger; Plenum Press, New York; 349-399	<input type="checkbox"/>
39	STEMMER, WPC, "Rapid evolution of a protein in vitro by DNA shuffling," Nature 1994;370(4):389-391	<input type="checkbox"/>
40	STEMMER, WP "DNA shuffling by random fragmentation and reassembly: In vitro recombination for molecular evolution," Proc Natl Acad Sci U S A. 1994 Oct 25;91(22):10747-51	<input type="checkbox"/>
41	STUDIER, FW et BA Moffatt, "Use of bacteriophage T7 RNA polymerase to direct selective high-level expression of cloned genes," J. Mol Biol. 1986 May 5;189(1):113-30	<input type="checkbox"/>
42	SUBASINGHE, N. et al., "Quisqualic acid analogues: synthesis of beta-heterocyclic 2-aminopropanoic acid derivatives and their activity at a novel quisqualate-sensitized site," J Med Chem. 1992 Nov 27;35(24):4602-7	<input type="checkbox"/>
43	SWITZER, C et al., "Enzymatic incorporation of a new base pair into DNA and RNA," J. Am. Chem. Soc. 1989; 111 (21):8322-8323	<input type="checkbox"/>
44	TABOR, S et CC Richardson, "A bacteriophage T7 RNA polymerase/promoter system for controlled exclusive expression of specific genes," Proc Natl Acad Sci U S A. 1985 Feb;82(4):1074-8	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10587371
Filing Date	2006-07-26
First Named Inventor	Ho Sung CHO
Art Unit	1647
Examiner Name	Shulamith H. SHAFER
Attorney Docket Number	AMBX-0028.00US

45	TAE, EL et al., "Efforts toward Expansion of the Genetic Alphabet: Replication of DNA with Three Base Pairs," J. Am. Chem. Soc. 2001; 123(30):7439-7440	<input type="checkbox"/>
46	TANG, Y et al., "Fluorinated Coiled-Coil Proteins Prepared In Vivo Display Enhanced Thermal and Chemical Stability," Angew Chem Int Ed Engl. 2001 Apr 17;40(8):1494-1496	<input type="checkbox"/>
47	TAYLOR, JW et al., "The use of phosphorothioate-modified DNA in restriction enzyme reactions to prepare nicked DNA," Nucleic Acids Res. 1985 Dec 20;13(24):8749-64	<input type="checkbox"/>
48	TAYLOR, JW et al., "The rapid generation of oligonucleotide-directed mutations at high frequency using phosphorothioate-modified DNA," Nucleic Acids Res. 1985 Dec 20;13(24):8765-85	<input type="checkbox"/>
49	TIJSSSEN, P. "Overview of principles of hybridization and the strategy of nucleic acid assays," in Laboratory Techniques in Biochemistry and Molecular Biology--Hybridization with Nucleic Probes, Part I, 1993; Elsevier Science Publishers, Amsterdam, 19-78	<input type="checkbox"/>
50	TILBURN, J. et al., "Transformation by integration in Aspergillus nidulans," Gene. 1983 Dec;26(2-3):205-21	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature	/Shulamith Shafer/	Date Considered	11/22/2009
--------------------	--------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.